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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10712166
Filing Date	2003-11-13
First Named Inventor	Anil D. Jha
Art Unit	
Examiner Name	
Attorney Docket Number	I0168-7082.19

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
ASP	1	4102752		1978-07-25	Rugh, II	
ASP	2	4808287		1989-02-28	Hark	
ASP	3	6126805		2000-10-03	Batchelder et al.	

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ASP	1	20060060532	A1	2006-03-23	Davis	

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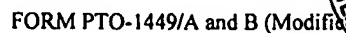
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Examiner Signature	<i>A Phasge</i>	Date Considered	9/18/07
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FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/712,166	ATTY. DOCKET NO.: I0168-7082.19
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 13, 2003	CONFIRMATION NO.: 8211
		APPLICANT: Anil D. Jha, et al.	
Sheet 1 of 1		GROUP ART UNIT: 1742	EXAMINER: Not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
AJP	*	US2005/0109703	A1	Newenhizen	05-26-2005
	*	3,630,378		Bauman	12-28-1971
	*	6,103,125		Kuepper	08-15-2000
	*	6,146,524		Story	11-14-2000
	*	RE36,972		Baker et al.	11-28-2000
	*	6,187,154		Yamaguchi et al.	02-13-2001
	*	6,190,553		Lee	02-20-2001
	*	6,197,189		Schwartz et al.	03-06-2001
	*	6,274,019		Kuwata	08-14-2001
	*	6,375,812		Leonida	04-23-2002
	*	6,627,073		Hirota et al.	09-30-2003
	*	6,648,307		Nelson et al.	11-18-2003
	*	6,783,666		Takeda et al.	08-31-2004
	*	6,808,608		Srinivasan et al.	10-26-2004

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
AJP		WO	98/58727	A1	Ionics, Incorporated	12-30-1998	

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EXAMINER <i>AJP</i>	DATE CONSIDERED <i>9/18/07</i>
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FORM PTO-101 (A and B (Notified))		APPLICATION NO.: 10/712,166	ATTY. DOCKET NO.: I0168-7082.19
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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
ASP	*	US H1206 H		Thibodeaux et al.	07/06/1993
	*	US2002/092769	A1	Garcia Benny et al.	07/18/2002
	*	US2003/098266	A1	Shiue Lih-Ren et al.	05/29/2003
	*	US2003/155243	A1	Sferrazza Alois	08/21/2003
	*	US2003/080467	A1	Andrews et al.	05/01/2003
	*	US2003/089609	A1	Liang Li-Shiang et al.	05/15/2003
	*	US2004/0079700	A1	Liang et al.	11/30/2004
	*	3,630,378	A	William C. Bauman	12/28/1971
	*	4,655,909	A	Furuno et al.	04/07/1987
	*	5,558,753	A	Gallagher et al.	09/24/1996
	*	5,788,826		Nyberg	08/04/1998
	*	6,056,878	A	Tessier et al.	05/02/2000
	*	6,187,162	B1	Mir Leon	02/13/2001
	*	6,274,019	B1	Kuwata Masahiro	08/14/2001
	*	6,296,751	B1	Mir Leon	10/02/2001
	*	6,824,662	B2	Liang et al.	11/30/2004
ASP	*	6,649,037	B2	Liang et al.	11/18/2003


FOREIGN PATENT DOCUMENTS

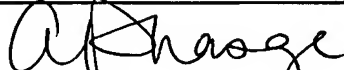
Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
ASP		DE	3238280	A1		04/19/1984	Abstract Only
		DE	4016000	A1		11/21/1991	Abstract Only
		EP	0170895	A2		02/12/1986	
		EP	0803474	A2		10/29/1997	
		EP	1068901	A2		01/17/2001	
		EP	1172145	A2		01/16/2002	
		EP	1222954	A1		07/17/2002	
		EP	1506941	A1		02/16/2005	
		JP	2005007347			01/13/2005	Abstract Only
		JP	2005007348			01/13/2005	Abstract Only
		WO	98/17590			04/30/1998	
ASP		WO	02/04357	A1		01/17/2002	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

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ASP		Yoran Oren et al., "Studies on Polarity Reversal with Continuous Deionization," <i>Desalination</i> , Elsevier Scientific Publishing Co., Amsterdam, NL, vol. 86, no. 2, June 1, 1992, pp. 155-171.	

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/712,166	ATTY. DOCKET NO.: I0168-7082.19
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		APPLICANT: Anil D. Jha, et al.	
		GROUP ART UNIT: 1742	EXAMINER: Not yet assigned
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	Wood, J.H. et al., "Continuous Electrodeionisation: Module Design Considerations for the Production of High Purity Water," <i>Proc. Of IEX at the Millenium</i> , July 16, 2000, pp. 44-51.		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 13, 2003	CONFIRMATION NO.: 8211
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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
ASD	*	3,869,375	A	Ono et al.	03-04-1975
	*	4,915,803	A	Morris	04-10-1990
	*	5,928,807	A	Elias	07-27-1999
	*	6,171,374	B1	Barton et al.	01-09-2001
ASD	*	6,766,812	B1	Gadini	07-27-2004

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
ASD		GB	1 381 681	A	Rhone Poulenc S.A.	01-22-1975	
ASD		RO	114 874	B	S.C. Industrial Etans S.R.L.	08-30-1999	
ASD		WO	03/086590	A1	United States Filter Corporation	10-23-2003	

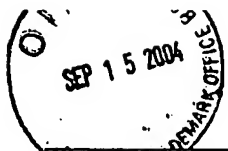
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EXAMINER	<i>A. Phasge</i>	DATE CONSIDERED	9/18/07
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		FILING DATE: November 13, 2003		CONFIRMATION NO.: 8211	
		APPLICANT: Anil D. Jha, et al.			
		GROUP ART UNIT: 1742		EXAMINER: Not yet assigned	
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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
AP		* 6,607,668		Rela	08-19-2003
AP		* US2003-0201235	A1	Chidambaran et al.	10-30-2003

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
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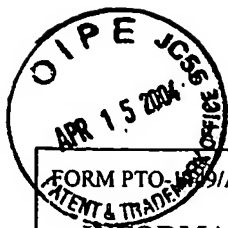
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Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	

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FORM PTO-1099/A and B (Modified)

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STATEMENT BY APPLICANT**

Sheet 1 of 8

APPLICATION NO.: 10/712,166

ATTY. DOCKET NO.: I0168-7082.19

FILING DATE: November 13, 2003

CONFIRMATION NO.: not yet assigned

APPLICANT: Anil D. Jha et al.

GROUP ART UNIT: 1724

EXAMINER: not assigned yet

U.S. PATENT DOCUMENTS

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		Number	Kind Code		
ASP		Re.35,741		Oren et al.	03/10/98
		2,514,415		Rasch	07/11/50
		2,681,319		Bodamer	06/15/54
		2,681,320		Bodamer	06/15/54
		2,788,319		Pearson	04/09/57
		2,794,777		Pearson	06/04/57
		2,815,320		Kollsman	12/03/57
		2,854,394		Kollsman	09/30/58
		2,923,674		Kressman	02/02/60
		2,943,989		Kollsman	07/05/60
		3,014,855		Kressman	12/26/61
		3,074,864		Gaysowski	01/22/63
		3,099,615		Kollsman	07/30/63
		3,148,687		Dosch	09/15/64
		3,149,061		Parsi	09/15/64
		3,149,062		Gottschal et al.	09/15/64
		3,165,460		Zang et al.	01/12/65
		3,291,713		Parsi	12/13/66
		3,330,750		McRae et al.	07/11/67
		3,341,441		Giuffrida et al.	09/12/67
		3,375,208		Duddy	03/26/68
		3,627,703		Kojima et al.	12/14/71
		3,645,884		Gilliland	02/29/72
		3,686,089		Korngold	08/22/72
		3,755,135		Johnson	08/28/73
		3,869,376		Tejeda	03/04/75
		3,870,033		Faylor et al.	03/11/75
		3,876,565		Takashima et al.	04/08/75
		3,989,615		Kiga et al.	11/02/76
		4,032,452		Davis	06/28/77
		4,033,850		Kedem et al.	07/05/77
		4,089,758		McAloon	05/16/78
		4,116,889		Chlanda et al.	09/26/78
		4,119,581		Rembaum et al.	10/10/78
		4,130,473		Eddleman	12/19/78
		4,153,761		Marsh	05/08/79
ASP		4,167,551		Tamura et al.	09/11/79

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/712,166		ATTY. DOCKET NO.: I0168-7082.19	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 13, 2003		CONFIRMATION NO.: not yet assigned	
		APPLICANT: Anil D. Jha et al.			
		GROUP ART UNIT: not assigned yet		EXAMINER: not assigned yet	
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U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of Issue of Cited Document MM-DD-YYY
		Number	Kind Code		
DJP		4,191,811		Hodgdon	03/04/80
		4,197,206		Karn	04/08/80
		4,216,073		Goldstein	08/05/80
		4,217,200		Kedem et al.	08/12/80
		4,226,688		Kedem et al.	10/07/80
		4,228,000		Hoeschler	10/14/80
		4,294,933		Kihara et al.	10/13/81
		4,298,442		Giuffrida	11/03/81
		4,321,145		Carlson	03/23/82
		4,330,654		Ezzell et al.	05/18/82
		4,358,545		Ezzell et al.	11/09/82
		4,374,232		Davis	02/15/83
		4,430,226		Hedge et al.	02/07/84
		4,465,573		O'Hare	08/14/84
		4,473,450		Nayak et al.	09/25/84
		4,505,797		Hodgdon et al.	03/19/85
		4,574,049		Pittner	03/04/86
		4,614,576		Goldstein	09/30/86
		4,632,745		Giuffrida et al.	12/30/86
		4,636,296		Kunz	01/13/87
		4,661,411		Martin et al.	04/28/87
		4,671,863		Tejeda	06/09/87
		4,687,561		Kunz	08/18/87
		4,702,810		Kunz	10/27/87
		4,707,240		Parsi et al.	11/17/87
		4,747,929		Siu et al.	05/31/88
		4,747,955		Kunin	05/31/88
		4,751,153	B1	Roth	06/14/88
		4,753,681		Giuffrida et al.	06/28/88
		4,770,793		Treffry-Goatley et al.	09/13/88
		4,804,451		Palmer	02/14/89
		4,849,102		Latour et al.	07/18/89
		4,871,431		Parsi	10/03/89
		4,872,958		Suzuki et al.	10/10/89
		4,925,541		Giuffrida et al.	05/15/90
		4,931,160		Giuffrida	06/05/90
		4,956,071		Giuffrida et al.	09/11/90
		4,964,970		O'Hare	10/23/90

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/712,166		ATTY. DOCKET NO.: I0168-7082.19	
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U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYY
		Number	Kind Code		
ASB		4,969,983		Parsi	11/13/90
		4,983,267		Moeglich et al.	01/08/91
		5,026,465		Katz et al.	06/25/91
		5,030,672		Hann et al.	07/09/91
		5,066,375		Parsi et al.	11/19/91
		5,066,402		Anselme et al.	11/19/91
		5,073,268		Saito et al.	12/17/91
		5,082,472		Mallouk et al.	01/21/92
		5,084,148		Kaczur et al.	01/28/92
		5,092,970		Kaczur et al.	03/03/92
		5,106,465		Kaczur et al.	04/21/92
		5,116,509		White	05/26/92
		5,120,416		Parsi et al.	06/09/92
		5,126,026		Chlanda	06/30/92
		5,128,043		Wildermuth	07/07/92
		5,154,809		Oren et al.	10/13/92
		5,166,220		McMahon	11/24/92
		5,176,828		Proulx	01/05/93
		5,196,115		Andelman	03/23/93
		5,203,976		Parsi et al.	04/20/93
		5,211,823		Giuffrida et al.	05/18/93
		5,223,103		Kaczur et al.	06/29/93
		5,240,579		Kedem	08/31/93
		5,254,227		Cawlfeld et al.	10/19/93
		5,259,936		Ganzi	11/09/93
		5,292,422		Liang et al.	03/08/94
		5,308,466		Ganzi et al.	05/03/94
		5,308,467		Sugo et al.	05/03/94
		5,316,637		Ganzi et al.	05/31/94
		5,346,624		Libutti et al.	09/13/94
		5,346,924		Giuffrida	09/13/94
		5,356,849		Matviya et al.	10/18/94
		5,358,640		Zeiber et al.	10/25/94
		5,376,253		Rychen et al.	12/27/94
		5,411,641		Trainham, III et al.	05/02/95
		5,425,858		Farmer	06/20/95
		5,425,866		Sugo et al.	06/20/95
		5,434,020		Cooper	07/18/95
		5,444,031		Hayden	08/22/95

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/712,166	ATTY. DOCKET NO.: I0168-7082.19
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		Number	Kind Code		
AJP		5,451,309		Bell	09/19/95
		5,458,787		Rosin et al.	10/17/95
		5,460,725		Stringfield	10/24/95
		5,460,728		Klomp et al.	10/24/95
		5,489,370		Lomasney et al.	02/06/96
		5,503,729		Batchelder et al.	04/02/96
		5,518,626		Birbara et al.	05/21/96
		5,518,627		Tomoi et al.	05/21/96
		5,536,387		Hill et al.	07/16/96
		5,538,611		Otowa	07/23/96
		5,538,655		Fauteux et al.	07/23/96
		5,539,002		Watanabe	07/23/96
		5,547,551		Bahar et al.	08/20/96
		5,558,753		Gallagher et al.	09/24/96
		5,580,437		Trainham, III et al.	12/03/96
		5,584,981		Turner et al.	12/17/96
		5,593,563		Denoncourt et al.	01/14/97
		5,599,614		Bahar et al.	02/04/97
		5,670,053		Collentro et al.	09/23/97
		5,679,228		Batchelder et al.	10/21/97
		5,679,229		Goldstein et al.	10/21/97
		5,714,521		Kedem et al.	02/03/98
		5,736,023		Gallagher et al.	04/07/98
		5,759,373		Terada et al.	06/02/98
		5,762,774		Tessier	06/09/98
		5,766,479		Collentro et al.	06/16/98
		5,788,826		Nyberg	08/04/98
		5,804,055		Coin et al.	09/08/98
		5,814,197		Batchelder et al.	09/29/98
		5,837,124		Su et al.	11/17/98
		5,858,191		DiMascio et al.	01/12/99
		5,868,915		Ganzi et al.	02/09/99
		5,891,328		Goldstein	04/06/99
		5,925,240		Wilkins et al.	07/20/99
		5,954,935		Neumeister et al.	09/21/99
		5,961,805		Terada et al.	10/05/99
		5,980,716		Horinouchi et al.	11/09/99
		6,056,878		Tessier et al.	05/02/00
		6,099,716		Molter et al.	08/08/00

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/712,166		ATTY. DOCKET NO.: I0168-7082.19	
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U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYY
		Number	Kind Code		
DJP		6,149,788		Tessier et al.	11/21/00
		6,187,162	B1	Mir	02/13/01
		6,190,528	B1	Li et al.	02/20/01
		6,190,558	B1	Robbins	02/20/01
		6,193,869	B1	Towe et al.	02/27/01
		6,197,174	B1	Barber et al.	03/06/01
		6,214,204	B1	Gadkaree et al.	04/10/01
		6,228,240	B1	Terada et al.	05/08/01
		6,235,166	B1	Towe et al.	05/22/01
		6,248,226	B1	Shinmei et al.	06/19/01
		6,254,741	B1	Stuart et al.	07/03/01
		6,258,278	B1	Tonelli et al.	07/10/01
		6,267,891	B1	Tonelli et al.	07/31/01
		6,284,124	B1	DiMascio et al.	09/04/01
		6,284,399	B1	Oko et al.	09/04/01
		6,303,037	B1	Tamura et al.	10/16/01
		US2001/0003329	A1	Sugaya et al.	06/14/01
		6,402,916	B1	Sampson et al.	06/11/2002
		6,402,917		Emery et al.	06/11/02
		6,482,304		Emery et al.	11/19/02
DJP		6,607,647		Wilkins et al.	08/19/03
		6,649,037		Liang et al.	11/18/03

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/712,166		ATTY. DOCKET NO.: I0168-7082.19	
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FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD- YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
RSP		AU	B-18629/92		Jay.	10/8/92	
		CA	2316012	A1	Kurita Water Industries Ltd., JP	11/02/01	
		CN	1044411A		Shanghai Synthetic Resin Institute	8/8/90	Y
		DE	44 18 812	A1	Forschungszentrum Julich GmbH	12/7/95	N
		DE	1 201 055		VEB Farbenfabrik Wolfen	9/16/65	N
		DE	199 42 347	A1	Dechema Deutsche Gesellschaft für Chemisches Apparatewesen	3/8/2001	N
		EP	0 503 589	A1	Yeda Research and Development	9/16/92	
		EP	0 621 072 A2	B1	Nippon Rensui Co.	10/26/94	
		EP	0 680 932	A2	Ukaea	11/8/95	
		EP	0 870 533	A1	Asahi Glass Company Ltd.	10/14/98	
		EP	1 068 901	A2	Kurita Water Industries Ltd.	1/17/2001	
		EP	1075 868	A2	Kurita Water Industries Ltd.	2/14/01	
		EP	1 101 790	A1	Electropure, Inc.	5/23/01	
		EP	1 106 241	A1	Asahi Glass Company Ltd.	6/13/01	
		GB	776469		Nederlandse Org. Voor Toegepast	6/5/57	
		GB	877239		Permutit Company Limited	9/13/61	
		GB	880344		Permutit Company Limited	10/18/61	
		GB	893051		John Thompson-Kennicott Limited	04/04/62	
		GB	942762		John Thompson-Kennicott Limited	11/27/63	
		GB	1048026		American Machine & Foundry Co.	11/9/66	
		GB	1137679		Wallace Tiernan, Inc.	12/27/68	
		GB	1448533		Mitsubishi Petrochemical Co., Ltd.	9/8/76	
		JP	54-5888		Mitsubishi Petrochem Co. Ltd.	1/17/79	Y
		JP	07-155750		Mitsubishi Rayon Co., Ltd.	06/20/95	N
		JP	07-265865		Japan Organo Co. Ltd.	10/17/95	N
		JP	09-253643		Kurita Water Ind., Ltd.	09/30/97	N
		JP	2001-79358		Japan Organo Co., Ltd.	3/27/01	N
		JP	2001-79553		Kurita Water Industries, Ltd.	3/27/01	N
		JP	2001-104960		Kurita Water Industries, Ltd.	4/17/01	N
		JP	2001-113137		Kurita Water Industries, Ltd.	4/24/01	N
		JP	2001-113279		Kurita Water Industries, Ltd.	4/24/01	N
		JP	2001-113280		Kurita Water Industries, Ltd.	4/24/01	N
		JP	2001-121152		Ebara Corp., Japan	5/8/01	N

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/712,166		ATTY. DOCKET NO.: I0168-7082.19	
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FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
ASP		RU	216622			11/21/72	N
		RU	990256			01/28/83	N
		RU	1118389			10/15/84	N
		WO	92/11089		Ionpure Technologies Corporation	7/9/92	
		WO	95/32052		U.S. Filter/Ionpure, Inc.	11/30/95	
		WO	95/32791		Forschungszentrum Julich GmbH	12/7/95	N
		WO	96/22162		Asahi Glass Company Ltd.	7/25/96	
		WO	97/25147		Glegg Water Conditioning, Inc.	7/17/97	
		WO	97/46491		Organo Corporation	12/11/97	N
		WO	97/46492		Organo Corp.	12/11/97	N
		WO	98/11987		United States Filter Corporation	3/26/98	
		WO	98/20972		United States Filter Corporation	5/22/98	
		WO	99/39810		United States Filter Corporation	8/12/99	
		WO	00/30749		E-Cell Corporation	6/2/00	
		WO	00/64325	A2	Eltek S.P.A.	11/2/00	
		WO	00/75082	A1	E-Cell Corp.	12/14/00	
		WO	01/49397	A1	Bernard et al.	7/12/01	N
		WO	02/14224	A1	Ionics, Incorporated	02/21/02	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
ASP	X	ASTM, "Standard Practice for Calculation and Adjustment of the Langelier Saturation Index for Reverse Osmosis," Designation: D3739-94 (Reapproved 1998), pp. 1-4.	
	X	CALAY, J.-C. et al., "The Use of EDI to Reduce the Ammonia Concentration in Steam Generators Blowdown of PWR Nuclear Power Plants," <i>PowerPlant Chemistry</i> , Vol. 2, No. 8, 2000, pp. 467-470.	
	X	DIMASCIO et al., "Continuous Electrodeionization: Production of High-Purity Water without Regeneration Chemicals," <i>The Electrochemical Society Interface</i> , Fall 1998, pp. 26-29.	
		DIMASCIO et al., "Electrodialysis Polishing (An Electrochemical Deionization Process)," date unknown, pp. 164-172	
		DOW CHEMICAL, "DOWEX MARATHON A Ion Exchange Resin," published December 1999, Product Literature reprinted from www.dow.com .	
		DOW CHEMICAL, "DOWEX MARATHON A2 Ion Exchange Resin," published November 1998, Product Literature reprinted from www.dow.com .	
		DUPONT Nafion PFSA Products, Technical Information, "Safe Handling and Use of Perfluorosulfonic Acid Products," February 2004. 4 pages.	
	X	FARMER et al., "Capacitive Deionization of NH ₄ ClO ₄ Solutions with Carbon Aerogel Electrodes," <i>J. Appl. Electro-Chemistry</i> , Vol. 26, (1996), pp. 1007-1018.	
		FDA, "Guide to Inspections of High Purity Water Systems," printed from www.fda.gov on 3/30/2004, date unknown.	
		GANZI, G.C. et al., "Electrodeionization: Theory and Practice of Continuous Electrodeionization," <i>Ultrapure Water</i> , July/August 1997, pp. 64-69.	

* no month

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/712,166	ATTY. DOCKET NO.: 10168-7082.19
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 13, 2003	CONFIRMATION NO.: not yet assigned
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
AJP	*	G.J. GITTENS et al., "The Application of Electrodialysis to Demineralisation," A.I.Ch.E.-I.Chem.E. Symposium Series No. 9, 1965 (London: Instn chem. Engrs), pp. 79-83.	
		GLUECKAUF, "Electro-Deionisation Through a Packed Bed," <i>British Chemical Engineering</i> , December 1959, pp. 646-651.	
	*	HOBRO et al., "Recycling of Chromium from Metal Finishing Waste Waters Using Electrochemical Ion Exchange (EIX)," 1994, pp. 173-183, publication and date unknown.	
		JHA, Anil D. et al., "CED: Selecting the Appropriate Configuration," reprinted from <i>Power Engineering</i> , August 2000 edition.	
	*	JOHNSON et al., "Desalting by Means of Porous Carbon Electrodes," <i>Electrochemical Technology</i> , Vol. 118, No. 3, March 1971, pp. 510-517.	
	*	KEDEM et al., "EDS - Sealed Cell Electrodialysis," <i>Desalination</i> , Vol. 46, 1983, pp. 291-299.	
	*	KEDEM et al., "Reduction of Polarization by Ion-Conduction Spacers: Theoretical Evaluation of a Model System," <i>Desalination</i> , Vol. 27, 1978, pp. 143-156.	
	*	KORNGOLD, "Electrodialysis Process Using Ion Exchange Resins Between Membranes," <i>Desalination</i> , Vol. 16, 1975, pp. 225-233.	
		LAKTIONOV, Evgueni Viktorovitch, "D�min�ralisation De Solutions �lectrolytiques Dilu�es. Analyse Comparative Des Performances De Diff�rents Proc�d�s D'�lectrodialyse", Directeur de these, Universit� Montpellier II, Science Et Technique Du Languedoc", 17 Juillet 1998.	N
		MATEJKA, "Continuous Production of High-Purity Water by Electro-Deionisation," <i>J. Appl. Chem., Biotechnol.</i> , Vol. 21, April 1971, pp. 117-120.	
	*	POURCELLY, Gerald, "Conductivity and selectivity of ion exchange membranes: structure-correlations, <i>Desalination</i> , Vol. 147 (2002) pp. 359-361.	
	*	PUROLITE TECHNICAL BULLETIN, Hypersol-Macronet™ Sorbent Resins, 1995	
	*	V. SHAPOSHNIK et al., "Demineralization of water by electrodialysis with ion-exchange membranes, grains and nets," <i>Desalination</i> , Vol 133, (2001), pp. 211-214.	
		R. SIMONS, "Strong Electric Field Effects on Proton Transfer Between Membrane-Bound Amines and Water," <i>Nature</i> , Vol. 280, August 30, 1979, pp. 824-826	
	*	R. SIMONS, "Electric Field Effects on Proton Transfer Between Ionizable Groups and Water in Ion Exchange Membranes," <i>Electrochimica Acta</i> , Vol. 29, No. 2, 1984, pp. 151-158.	
	*	R. SIMONS, "Water Splitting In Ion Exchange Membranes," Pergamon Press Ltd., 1985, pp. 275-282	
		R. SIMONS, "The Origin and Elimination of Water Splitting in Ion Exchange Membranes During Water Demineralisation By Electrodialysis," <i>Desalination</i> , Vol. 28, January 29, 1979, pp. 41-42	
	*	USFilter, "H-Series Industrial CDI® Systems," product information, 1998, 4 pgs.	
	WALTERS et al., "Concentration of Radioactive Aqueous Wastes," <i>Industrial and Engineering Chemistry</i> , January 1955, pp. 61-67.		
AJP		WARSHAWSKY et al., "Thermally Regenerable Polymerable Polymeric Crown Ethers, II Synthesis and Application in Electrodialysis," pp. 579-584, publication and date unknown.	
EXAMINER		DATE CONSIDERED	
A. Phasge		9/18/07	

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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* no month